

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 2003/077110 A3

(51) International Patent Classification⁷: **G06K 11/18**,
G06F 3/033

(21) International Application Number:
PCT/NL2003/000145

(22) International Filing Date: 26 February 2003 (26.02.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1020161 13 March 2002 (13.03.2002) NL

(71) Applicant (for all designated States except US): **WEL-
BERGEN BEHEER B.V.** [NL/NL]; Broekerveerdijsk 39,
NL-1151 CZ Broek In Waterland (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **WELBERGEN**, Er-
win [NL/NL]; Broekerveerdijsk 39, NL-1151 CZ Broek In
Waterland (NL).

(74) Agent: **DE VRIES, Johannes, Hendrik, Fokke**; De Vries
& Metman, Overschiestraat 180, NL-1062 XK Amsterdam
(NL).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI,
SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

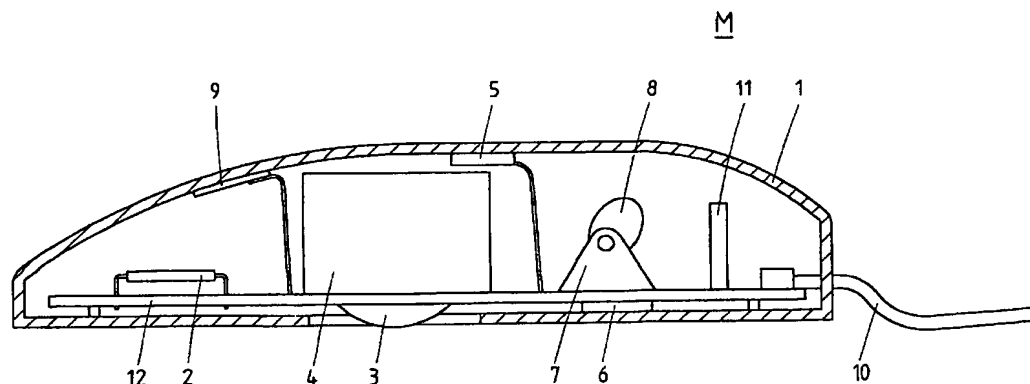
Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
23 September 2004

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM FOR PROVIDING AN INPUT SIGNAL, DEVICE FOR USE IN SUCH A SYSTEM AND COMPUTER
INPUT DEVICE



(57) Abstract: A system for providing an input signal, comprises an element (M, 1) controllable by a user by means of interaction with a user's limb, which system comprises a sensor (5, 6) capable of detecting the presence of a limb placed over at least part of the element (M, 1), timing means (2) for determining the length of a time during which the limb is present and means (11, 9, 7, 8) of generating an alarm signal if the length of time exceeds a threshold value. The alarm signal can be used to effect discontinuation of the presence of the limb.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL 03/00145

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06K11/18 G06F3/033

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G06K G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, IBM-TDB, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) & JP 2000 298530 A (FUJITSU LTD), 24 October 2000 (2000-10-24) abstract	1-9
X	EP 0 910 006 A (HUDSON SOFT CO LTD) 21 April 1999 (1999-04-21) the whole document	11-13,15
X	US 5 841 425 A (ZENZ SR CHARLES VERNON) 24 November 1998 (1998-11-24)	10
A		9
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

28 July 2004

Date of mailing of the international search report

05/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Ciarelli, N

INTERNATIONAL SEARCH REPORT

International Application No

PCT/NL 03/00145

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 065 138 A (GOULD BRIAN J ET AL)	13
A	16 May 2000 (2000-05-16) the whole document	1,10,11, 14,15
A	----- EP 0 768 619 A (AT & T CORP) 16 April 1997 (1997-04-16) abstract -----	1,10,11, 13-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL 03/00145

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2000298530	A	24-10-2000	NONE	
EP 0910006	A	21-04-1999	JP 3212272 B2	25-09-2001
			JP 11119867 A	30-04-1999
			CA 2250368 A1	15-04-1999
			CN 1214482 A	21-04-1999
			EP 0910006 A2	21-04-1999
US 5841425	A	24-11-1998	NONE	
US 6065138	A	16-05-2000	NONE	
EP 0768619	A	16-04-1997	US 5805142 A	08-09-1998
			AU 7021196 A	24-04-1997
			CA 2185263 A1	17-04-1997
			DE 69608519 D1	29-06-2000
			DE 69608519 T2	25-01-2001
			EP 0768619 A1	16-04-1997
			ES 2148691 T3	16-10-2000
			JP 9128144 A	16-05-1997
			SG 67959 A1	19-10-1999